**ORMIX** Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 03/17/2016 Supersedes: Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1. Product identifier

: PLASTI DIP® H.P. PRIMER F-938 CLEAR

Product name Product form

: Mixture

Product code

: F93845409

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

## 1.3. Details of the supplier of the safety data sheet

Plasti Dip International, Inc. 3920 Pheasant Ridge Drive Blaine, MN 55449 Phone - (763) 785-2156

#### 1.4. Emergency telephone number

Emergency number

: CHEMTREC: 1-800-424-9300 (US); 703-527-3887 (International)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

## **GHS-US** classification

 Flam. Liq. 2
 H225

 Skin Irrit. 2
 H315

 Eye Irrit. 2A
 H319

 Repr. 2
 H361

 STOT SE 3
 H336

 STOT RE 2
 H373

 Asp. Tox. 1
 H304

#### 2.2. Label elements

#### **GHS-US** labelling

Signal word (GHS-US)

Hazard statements (GHS-US)

Precautionary statements (GHS-US)

Hazard pictograms (GHS-US)



#### Danger

- : H225 Highly flammable liquid and vapour
- H304 May be fatal if swallowed and enters airways
  - H315 Causes skin irritation
  - H319 Causes serious eye irritation
  - H336 May cause drowsiness or dizziness
  - H361 Suspected of damaging fertility or the unborn child
  - H373 May cause damage to organs through prolonged or repeated exposure
- : P201 Obtain special instructions before use
  - P202 Do not handle until all safety precautions have been read and understood
  - P210 Keep away from sparks, open flames, heat. No smoking
- P233 Keep container tightly closed
- P240 Ground/bond container and receiving equipment
- P241 Use explosion-proof ventilating, lighting, electrical equipment
- P242 Use only non-sparking tools
- P243 Take precautionary measures against static discharge
- P260 Do not breathe vapours, mist
- P264 Wash hands, forearms and face thoroughly after handling
- P271 Use only outdoors or in a well-ventilated area
- P280 Wear protective gloves, eye protection, protective clothing
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER, a doctor
- P302+P352 If on skin: Wash with plenty of soap and water

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

- P308+P313 If exposed or concerned: Get medical advice/attention
- P312 Call a POISON CENTER, a doctor if you feel unwell
- P314 Get medical advice/attention if you feel unwell
- P321 Specific treatment (see first aid instructions on this label) PLASTI DIP® H.P. PRIMER F-938

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P331 - Do NOT induce vomiting
P332+P313 - If skin irritation occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P370+P378 - In case of fire: Use carbon dioxide (CO<sub>2</sub>), dry extinguishing powder, foam to extinguish
P403+P233+P235 - Store in a well-ventilated place. Keep container tightly closed. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

#### 2.3. Other hazards

No additional information available

## 2.4. Unknown acute toxicity (GHS US)

No data available

# **SECTION 3: Composition/information on ingredients**

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%
Toluene	(CAS No) 108-88-3	60 - 100*
Xylenes (o-, m-, p- isomers)	(CAS No) 1330-20-7	5 - 10*
Ethylbenzene	(CAS No) 100-41-4	1 - 5*
Chlorobenzene	(CAS No) 108-90-7	0.1 - 1*

\*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures general	: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.	
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.	
First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.	
First-aid measures after eye contact	: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.	
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.	
4.2. Most important symptoms and effects, both acute and delayed		
Symptoms/injuries	: May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.	
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.	
Symptoms/injuries after skin contact	: Causes skin irritation.	
Symptoms/injuries after eye contact	: Causes serious eye irritation.	
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.	
Chronic symptoms	: Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.	
4.0 Indiantian of any immediate media		

# 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures			
5.1.	Extinguishing media		
Suitabl	e extinguishing media	: Foam. Carbon dioxide. Dry chemical.	
5.2.	Special hazards arising fi	rom the substance or mixture	
Fire ha	zard	: Highly flammable liquid and vapour.	
Explos	ion hazard	: Heating may cause an explosion.	
Reactiv	vity	: No dangerous reactions known under normal conditions of use.	
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5.3. Advice for firefighters	
Precautionary measures fire	<ul> <li>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> </ul>
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: This material is flammable and may be ignited by heat, sparks, or static electricity.

SECTION 6: Accidental release measures			
6.1.	Personal precautions, protective equipment and emergency procedures		
General	measures	:	Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).
6.1.1.	For non-emergency personnel		
Protecti	ve equipment	:	Wear Protective equipment as described in Section 8.
Emerge	ncy procedures	:	Evacuate unnecessary personnel.
6.1.2.	For emergency responders		
Protecti	ve equipment	:	Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.
6.2.	Environmental precautions		
Prevent	entry to sewers and public waters. No	tify a	uthorities if liquid enters sewers or public waters. Avoid release to the environment.
6.3.	Methods and material for containment and cleaning up		
For con	tainment	:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters.
Method	s for cleaning up	:	Exclude sources of ignition and ventilate the area. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.
6.4.	Reference to other sections		
See See	ctions 8 and 13.		
SECT	SECTION 7: Handling and storage		
7.1.	Precautions for safe handling		
Precaut	ions for safe handling	:	Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety procedures. Do not breathe mist, vapours. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep away from sources of ignition - No smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep the container tightly closed. Store in a dry, cool and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

# **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

ACGIH TWA (ppm)	20
Remark (ACGIH) Visual impair; female repro;	
Ethylbenzene (100-41-4)	
ACGIH TWA (ppm)	20
Remark (ACGIH)	upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment
OSHA PEL (TWA) (mg/m <sup>3</sup> )	435
OSHA PEL (TWA) (ppm)	100
OSHA PEL (STEL) (mg/m <sup>3</sup> )	545
OSHA PEL (STEL) (ppm)	125
Xylenes (o-, m-, p- isomers) (1330-20-7)	
ACGIH TWA (ppm)	100

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Xylenes (o-, m-, p- isomers) (1330-20-7)	
ACGIH STEL (ppm)	150
OSHA PEL (TWA) (mg/m <sup>3</sup> )	435
OSHA PEL (TWA) (ppm)	100
OSHA PEL (STEL) (mg/m <sup>3</sup> )	655
OSHA PEL (STEL) (ppm)	150
Chlorobenzene (108-90-7)	
ACGIH TWA (ppm)	10
OSHA PEL (TWA) (mg/m <sup>3</sup> )	350
OSHA PEL (TWA) (ppm)	75

### 8.2. Exposure controls

Appropriate engineering controls

Personal protective equipment

Hand protection

Eye protection

Skin and body protection

Respiratory protection

: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

: Gloves. Protective goggles. Wear chemically impervious apron over labcoat and full coverage clothing. Insufficient ventilation: wear respiratory protection.



- : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.
- : Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.
- : Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
- : Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

## **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Color	: Clear.	
Odor	: Characteristic solvent.	
Odor Threshold	: No data available	
pH	: No data available	
Relative evaporation rate (butylacetate=1)	: >1	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: 111 - 137 (231.8 - 278.6 °F)	
Flash point	: 7.2 °C (45 °F) (TCC)	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapour pressure	: 22 mm Hg @ 20 °C (68 °F)	
Relative vapour density at 20 °C	: ≤ 1 (Air = 1)	
Relative density	: 0.86 - 0.88 (H <sub>2</sub> O = 1)	
Solubility	: Insoluble in water.	
Log Pow	: No data available	
Log Kow	: No data available	
Viscosity, kinematic	: No data available	

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Explosiv	e limits	:	1 - 7 vol %
Oxidisin	g properties	:	No data available
Explosiv	e properties	:	No data available
Viscosity	/, dynamic	:	No data available

### VOC content

: 95 % (6.87 VOC LBS/GAL)

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. **Chemical stability**

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Ignition sources. Heat. Sparks. Open flame. Static electricity. Temperatures over 176°C (350°F) for over 10 minutes.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Hydrogen Chloride. Organic hydrocarbons.

## **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Acute toxicity

: Not classified

Toluene (108-88-3)		
LD50 oral rat	2600 mg/kg	
LD50 dermal rabbit	12000 mg/kg	
LC50 inhalation rat (mg/l)	12.5 mg/l/4h	
Ethylbenzene (100-41-4)		
LD50 oral rat	3500 mg/kg	
LD50 dermal rabbit	15400 mg/kg	
LC50 inhalation rat (mg/l)	17.2 mg/l/4h	
Xylenes (o-, m-, p- isomers) (1330-20-7)		
LD50 oral rat	3500 mg/kg	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Causes serious eye irritation.	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified.	
Benzene (71-43-2)		
IARC group	1 - Carcinogenic to humans	
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens	
Ethylbenzene (100-41-4)		
IARC group	2B - Possibly carcinogenic to humans	
Vinyl acetate (108-05-4)		
IARC group	2B - Possibly carcinogenic to humans	
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.	
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.	
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard	: May be fatal if swallowed and enters airways.	
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.	
Symptoms/injuries after skin contact	: Causes skin irritation.	
Symptoms/injuries after eye contact	: Causes serious eye irritation.	
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.	
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Chronic symptoms

: Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: No information available.
Looogy - general	
12.2. Persistence and degradability	
PLASTI DIP® H.P. PRIMER F-938 CLEAR	
Persistence and degradability	No information available.
12.3. Bioaccumulative potential	
PLASTI DIP® H.P. PRIMER F-938 CLEAR	
Bioaccumulative potential	No information available.
12.4. Mobility in soil	
PLASTI DIP® H.P. PRIMER F-938 CLEAR	
Ecology - soil	No information available.
12.5. Other adverse effects	. No data available
Other adverse effects	: No data available.
SECTION 13: Disposal consideration	\$
13.1. Waste treatment methods	
Waste treatment methods	: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.
<b>SECTION 14: Transport information</b>	
In accordance with DOT	
Transport document description	: UN1139 Coating solution (Contains: Toluene, Xylene), 3, II
UN-No.(DOT)	: 1139
DOT NA no.	: UN1139
Proper Shipping Name (DOT)	: Coating solution
	Contains: Toluene, Xylene
Class (DOT)	<ul> <li>3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120</li> <li>3 - Flammable liquid</li> </ul>
Hazard labels (DOT)	
Packing group (DOT)	: II - Medium Danger
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded
Additional information	
Other information	: No supplementary information available.
Transport by sea	
No additional information available	
Air transport	
No additional information available	

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SECTION 15: Regulatory information		
15.1. US Federal regulations		
PLASTI DIP® H.P. PRIMER F-938 CLEAR		
All chemical substances in this product are liste or are exempt	ed in the EPA (Environment Protection Agency	y) TSCA (Toxic Substances Control Act) Inventory
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard Fire hazard	
Xylenes (o-, m-, p- isomers) (1330-20-7)		
Section 302 (EHS) TPQ		
Section 304 EHS RQ		
CERCLA RQ	100	lb
Section 313	Listed on US SARA Section 313	
Ethylbenzene (100-41-4)		
Section 302 (EHS) TPQ		
Section 304 EHS RQ		
CERCLA RQ	1000	lb
Section 313	Listed on US SARA Section 313	
Toluene (108-88-3)		
Section 302 (EHS) TPQ		
Section 304 EHS RQ		
CERCLA RQ	1000	lb
Section 313	Listed on US SARA Section 313	
Chlorobenzene (108-90-7)		
Section 302 (EHS) TPQ		
Section 304 EHS RQ		
CERCLA RQ	100	lb
Section 313	Listed on US SARA Section 313	

### 15.2. International regulations

No additional information available.

### 15.3. US State regulations

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

Toluene (108-88-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity – Male	Maximum allowable dose level (MADL)
No	Yes	No	No	7000 µg/day
Benzene (71-43-2)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL) Maximum allowable dose level (MADL)
Yes	Yes	No	Yes	13 (inhalation) 6.4 (oral) μg/day 49 (inhalation) 24 (oral) μg/day
Ethylbenzene (100-41-4	4)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	54 (inhalation) 41 (oral) μg/day

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luene (108-88-3)			
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List			
S Pennsylvania - RTK (Right to Know) - Environmental Hazard List S Pennsylvania - RTK (Right to Know) List			
nzene (71-43-2)			
S Massachusetts - Right To Know List S New Jersey - Right to Know Hazardous Substance List			
S Pennsylvania - RTK (Right to Know) - Special Hazardous Substances S Pennsylvania - RTK (Right to Know) - Environmental Hazard List			
nylbenzene (100-41-4)			
S New Jersey - Right to Know Hazardous Substance List			
S Massachusetts - Right To Know List S Pennsylvania - RTK (Right to Know) - Environmental Hazard List			
lenes (o-, m-, p- isomers) (1330-20-7)			
S Massachusetts - Right To Know List			
S New Jersey - Right to Know Hazardous Substance List			
S Pennsylvania - RTK (Right to Know) - Environmental Hazard List			
lorobenzene (108-90-7)			
S Massachusetts - Right To Know List			
S New Jersey - Right to Know Hazardous Substance List S Pennsylvania - RTK (Right to Know) - Environmental Hazard List			
nyl acetate (108-05-4)			
S Massachusetts - Right To Know List S New Jersey - Right to Know Hazardous Substance List			
S Pennsylvania - RTK (Right to Know) - Environmental Hazard List			

# **SECTION 16: Other information**

Indication of changes	: Revision 1.0: New SDS Created.	
Revision date	: 03/17/2016	
Other information	: Author: BCS.	
NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.	
NFPA fire hazard	: 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.	
NFPA reactivity	: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.	
HMIS III Rating		
Health	: 3*	
Flammability	: 4	
Physical	: 1	
Personal Protection	:	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product